

IAP7 Rec'd PCT/PTO 05 SEP 2006

PTO-1390 (Rev. 02-2005)

Approved for use through 03/31/2007. OMB 0651-0021

U. S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>A0852.70000US01</b>
INTERNATIONAL APPLICATION NO. <b>PCT/US2005/007519</b>	INTERNATIONAL FILING DATE <b>3 March 2005 (03.03.2005)</b>	PRIORITY DATE CLAIMED <b>3 March 2004 (03.03.2004)</b>
TITLE OF INVENTION <b>GRANULOCYTE SUBTYPE-SELECTIVE RECEPTORS AND ION CHANNELS AND USES THEREOF</b>		
APPLICANT(S) FOR DO/EO/US <b>ADRA, Chaker N.</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Published PCT Application; Published Search Report; PCT/IB/301,304,308,311; International Search Report; Written Opinion of the ISA</p>		
Express Mail No:EV717505126US		

**AP20 Rec'd PCT/PTO 05 SEP 2006**

PTO-1390 (Rev. 02-2005)  
Approved for use through 03/31/2007. OMB 0651-0021

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER:															
<b>10/591628</b>	PCT/US2005/007519	A0852.70000US01															
The following fees have been submitted																	
<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;">21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....</td> <td style="width: 20%; text-align: right;">\$300</td> <td style="width: 20%; text-align: right;">CALCULATIONS</td> </tr> <tr> <td><input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))</td> <td></td> <td>PTO USE ONLY</td> </tr> </table>			21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....	\$300	CALCULATIONS	<input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))		PTO USE ONLY									
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....	\$300	CALCULATIONS															
<input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))		PTO USE ONLY															
<table border="0" style="width: 100%;"> <tr> <td colspan="2">If the written opinion prepared by the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)....</td> <td style="text-align: right;">\$ 0</td> </tr> <tr> <td colspan="2">All other situations .....</td> <td style="text-align: right;">\$200</td> </tr> </table>			If the written opinion prepared by the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)....		\$ 0	All other situations .....		\$200									
If the written opinion prepared by the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)....		\$ 0															
All other situations .....		\$200															
<table border="0" style="width: 100%;"> <tr> <td colspan="2">22. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))</td> <td></td> </tr> <tr> <td colspan="2">If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....</td> <td style="text-align: right;">\$ 0</td> </tr> <tr> <td colspan="2">Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....</td> <td style="text-align: right;">\$100</td> </tr> <tr> <td colspan="2">International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....</td> <td style="text-align: right;">\$400</td> </tr> <tr> <td colspan="2">All other situations .....</td> <td style="text-align: right;">\$500</td> </tr> </table>			22. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))			If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....		\$ 0	Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....		\$100	International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....		\$400	All other situations .....		\$500
22. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))																	
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....		\$ 0															
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....		\$100															
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....		\$400															
All other situations .....		\$500															
<b>TOTAL OF 21, 22 and 23 =</b>																	
<table border="0" style="width: 100%;"> <tr> <td colspan="2"><input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</td> <td></td> </tr> <tr> <td>Total Sheets</td> <td>Extra sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> </tr> <tr> <td>149 - 100 =</td> <td>49 /50 =</td> <td>1</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">x \$250.00</td> </tr> </table>			<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.			Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	149 - 100 =	49 /50 =	1			x \$250.00			
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																	
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)															
149 - 100 =	49 /50 =	1															
		x \$250.00															
250.00																	
<table border="0" style="width: 100%;"> <tr> <td colspan="2">Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).</td> <td></td> </tr> </table>			Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).														
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).																	
\$																	
<table border="0" style="width: 100%;"> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td>RATE</td> </tr> <tr> <td>Total claims</td> <td>20 - 20 =</td> <td>0</td> <td>x 50.00</td> </tr> <tr> <td>Independent claims</td> <td>3 - 3 =</td> <td>0</td> <td>x 200.00</td> </tr> </table>			CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	20 - 20 =	0	x 50.00	Independent claims	3 - 3 =	0	x 200.00			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE														
Total claims	20 - 20 =	0	x 50.00														
Independent claims	3 - 3 =	0	x 200.00														
\$																	
<table border="0" style="width: 100%;"> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIM(s) (if applicable)</td> <td>+ 360.00</td> <td>\$</td> </tr> </table>			MULTIPLE DEPENDENT CLAIM(s) (if applicable)		+ 360.00	\$											
MULTIPLE DEPENDENT CLAIM(s) (if applicable)		+ 360.00	\$														
<b>TOTAL OF ABOVE CALCULATIONS =</b>																	
\$ 1150.00																	
<table border="0" style="width: 100%;"> <tr> <td colspan="2"><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.</td> <td></td> </tr> </table>			<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.														
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.																	
\$ 575.00																	
<table border="0" style="width: 100%;"> <tr> <td colspan="2"></td> <td><b>SUBTOTAL =</b></td> <td style="text-align: right;">\$ 575.00</td> </tr> </table>					<b>SUBTOTAL =</b>	\$ 575.00											
		<b>SUBTOTAL =</b>	\$ 575.00														
<table border="0" style="width: 100%;"> <tr> <td colspan="2">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).</td> <td>+ \$</td> </tr> </table>			Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).		+ \$												
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).		+ \$															
\$																	
<table border="0" style="width: 100%;"> <tr> <td colspan="2"></td> <td><b>TOTAL NATIONAL FEE =</b></td> <td style="text-align: right;">\$ 575.00</td> </tr> </table>					<b>TOTAL NATIONAL FEE =</b>	\$ 575.00											
		<b>TOTAL NATIONAL FEE =</b>	\$ 575.00														
<table border="0" style="width: 100%;"> <tr> <td colspan="2">Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> <td>+ \$</td> </tr> </table>			Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		+ \$												
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		+ \$															
\$																	
<table border="0" style="width: 100%;"> <tr> <td colspan="2"></td> <td><b>TOTAL FEES ENCLOSED =</b></td> <td style="text-align: right;">\$ 575.00</td> </tr> </table>					<b>TOTAL FEES ENCLOSED =</b>	\$ 575.00											
		<b>TOTAL FEES ENCLOSED =</b>	\$ 575.00														
<table border="0" style="width: 100%;"> <tr> <td colspan="2"></td> <td><b>Amount to be refunded:</b></td> <td style="text-align: right;">\$</td> </tr> </table>					<b>Amount to be refunded:</b>	\$											
		<b>Amount to be refunded:</b>	\$														
<table border="0" style="width: 100%;"> <tr> <td colspan="2"></td> <td><b>Amount to be charged:</b></td> <td style="text-align: right;">\$</td> </tr> </table>					<b>Amount to be charged:</b>	\$											
		<b>Amount to be charged:</b>	\$														
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>23/2825</u> in the amount of \$ <u>575.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23/2825</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>																	
<p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p style="text-align: right;"><i>Pat R.H. Wall</i></p>																	
<p>Wolf, Greenfield &amp; Sacks, P.C. 600 Atlantic Avenue Boston, Massachusetts 02210-2206 Tel. (617) 646-8000</p> <p>CUSTOMER NUMBER: <b>23628</b></p>																	
<p>SIGNATURE: Patrick R.H. Wall</p>																	
<p>NAME <u>41,418</u></p>																	
<p>REGISTRATION NUMBER</p>																	